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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/090,966	03/05/2002	William Bernard Quinn	M-11687 US	6325
23640	7590	01/19/2006	EXAMINER DYKE, KERRI M	
BAKER BOTTS, LLP 910 LOUISIANA HOUSTON, TX 77002-4995			ART UNIT 2667	PAPER NUMBER

DATE MAILED: 01/19/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No. 10/090,966	Applicant(s) QUINN ET AL.	
	Examiner Kerri M. Dyke	Art Unit 2667	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 05 March 2002.
- 2a) ☐ This action is FINAL. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-20 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-20 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 05 March 2002 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

2. Claims 1, 10, and 17 are rejected under 35 U.S.C. 102(b) as being anticipated by Lin et al. (*Multihop Wireless IEEE 802.11 LANs*).

3. Claim 1 is directed to the method and claims 10 and 17 are directed towards components within a system for establishing a wireless bridge. Lin discloses the adaptive wireless bridge in figure 1. MS1 is the end device or information handling system. MS2 is the selected first information handling system of the plurality of information handling systems. A first wireless connection and second wireless connection establish a complete link between MS2 and the network, thus allowing MS2 to communicate with the network. MS1 and MS2 are mobile devices, such as cell phones, as disclosed in section 1. Mobile devices inherently contain a processor and memory, which is media for storing instructions.

4. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

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5. Claims 1-20 are rejected under 35 U.S.C. 102(e) as being anticipated by Herrmann et al. (US 2003/0151513).

6. In regards to claim 1, Herrmann discloses a method of adaptive wireless bridging for an information handling system, comprising: identifying a first plurality of information handling systems that can establish a wireless communication connection with a network; selecting a first information handling system from said first plurality of information handling systems; establishing a first wireless communication connection between with said first information handling system and said information handling system; establishing a second wireless communication connection between said first information handling system and said network; and the information handling system communicating with the network via the first and second wireless communication connections. Figure 1 discloses end devices that connect between one or more other devices in order to communicate with the network.

7. In regards to claim 2, Herrmann discloses the method of claim 1, wherein said first information handling system is selected based on a plurality of communication-related parameters. Paragraph 47 discloses choosing the first information handling system based on a plurality of communication-related parameters.

8. In regards to claim 3, Herrmann discloses the method of claim 2, wherein said first plurality of information handling systems is ranked according to said plurality of communication-related parameters. Paragraph 47 discloses that there is a cost threshold above which an information handling system will not be considered.

9. In regards to claim 4, Herrmann discloses the method of claim 2, wherein one of said plurality of communication-related parameters is a radio signal quality of said first

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communication connection. Paragraph 47 discloses that the cost calculation may include signal strength or packet loss rate, which are signal quality parameters.

10. In regards to claim 5, Herrmann discloses the method of claim 2, wherein one of said plurality of communication-related parameters is a data throughput rate of the first communication connection. Paragraph 47 discloses that the cost calculation may include signal strength or packet loss rate, which can be used to determine the data throughput rate.

11. In regards to claim 6, Herrmann discloses the method of claim 1, wherein said second communication connection with said network comprises a plurality of individual communication connections between a second plurality of information handling systems (figure 1).

12. In regards to claim 7, Herrmann discloses the method of claim 1, further comprising: monitoring said first communication connection with said first information handling system. Paragraph 43 discloses that connections may be monitored.

13. In regards to claim 8, Herrmann discloses the method of claim 2, further comprising: if said first communication connection with said first information handling system does not conform to said plurality of communication-related parameters; identifying a second information handling system from said first plurality of information handling systems; establishing a third wireless connection between said information handling system and said second information handling system; establishing a fourth wireless communication connection between said second information handling system and said network; the information handling system communicating with the network via the third and fourth wireless communication connections. Paragraph 57 discloses rerouting if the current route does not satisfy the communication-related parameters.

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14. In regards to claim 9, Herrmann discloses the method of claim 1, further wherein: if said first wireless communication connection with said first information handling system is disconnected; identifying a second information handling system from said first plurality of information handling systems; establishing a third wireless communication connection between the information handling system and said second information handling system; establishing a fourth wireless communication connection between said second information handling system and said network; the information handling system communicating with the network via the third and fourth wireless communication connections. Herrmann discloses a method for reconfiguration after failure in paragraphs 80-85.

15. Claim 10 includes limitations for a device or system that can carry out the method of claim 1. Herrmann discloses a processor and memory in paragraph 18. The remainder of claim 10 is rejected upon the same basis as claim 1.

16. Claim 11 is rejected upon the same basis as claim 2.

17. Claim 12 is rejected upon the same basis as claim 4.

18. Claim 13 is rejected upon the same basis as claim 5.

19. The limitation of claim 14 is included in the limitations of claim 1. Claim 14 is rejected upon the same basis as claim 1.

20. Claim 15 is rejected upon the same basis as claim 6.

21. Claim 16 is rejected upon the same basis as claim 7.

22. The media of claim 17 is not distinct from the memory of claim 10. Claim 17 is therefore rejected upon the same basis as claim 10.

23. Claims 19-20 are rejected upon the same basis as claims 8-9, respectively.

Conclusion

24. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.


- a. Lin et al. (*Multihop Cellular*) describes the new wireless architecture in more detail.
- b. Brederveld et al. (US 5,898,679), Hayashi (US 5,907,540), and Wichman (US 5,930,240) each disclose in figure 1 a method/system like that described by claim 1.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Kerri M. Dyke whose telephone number is (571) 272-0542. The examiner can normally be reached on Monday through Friday, 7:00 am - 3:30 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Chi Pham can be reached on (571) 272-3179. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

kmd


CHI PHAM
SUPERVISORY PATENT EXAMINER
ART UNIT 2667

1/17/06